	Application No.	Applicant(s)
Notice of Allowability	09/919,925	FUKUHARA ET AL.
	Examiner	Art Unit
	Duy M. Dang	2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *8/25/05*.

2. ☒ The allowed claim(s) is/are *1,3-4,6-9,11,12,14 and 15*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

           International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   Applicant's amendment filed 8/25/05 has been entered and made of record.

2.   Claims 1,3-4,6-9,11-12,and 14-15 are allowed

3.   The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims 1 and 8, the closest prior art [Taniguchi et al.] fails to teach: wherein

the fixed point type wavelet conversion means comprises a bit shifter and a wavelet converter,

and the integer type wavelet conversion means comprises only the wavelet converter, and in

combination with other claimed features. Dependent claims 3-4, and 6-7 are also allowed for the

same reasons as above.

Regarding claims 9 and 15, the closest prior art [Taniguchi et al.] fails to teach: wherein

the fixed point type wavelet reverse conversion means comprises a bit shifter and a wavelet

reverse converter, and the integer type wavelet conversion means comprises only the wavelet

reverse converter, and in combination with other claimed features. Dependent claims 11-12 are

also allowed for the same reasons as above.

Regarding claim 14, the closest prior art [Taniguchi et al.] fails to teaches an image

decoding device into which a coded bit stream generated by a coding device comprising integer

type wavelet conversion means and/or fixed-point type wavelet conversion means is inputted, the

image decoding device comprising: means for detecting whether wavelet conversion performed

by the coding device is of an integer type or a mixed-point type, from the inputted coded bit

stream, integer type wavelet reverse conversion means for decoding the coded bit stream

converted by the integer type wavelet conversion means; and means for controlling decoding

operation to be paused if the inputted coded bit stream is of the fixed-point type.

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Duy M. Dang whose telephone number is 571-272-7389. The

examiner can normally be reached on Monday to Friday from 5:30AM to 2:00PM.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Joseph Mancuso can be reached on 571-272-7695. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

        Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

dmd
10/05

Duy M. Dang
Patent Examiner